

User Guide
Vodafone Mobile Wi-Fi
R212

Designed
by Vodafone



Welcome

to the world of mobile communications

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Welcome

System requirements

To use the Vodafone Mobile Wi-Fi R212 you need a device with Wi-Fi capability.

Tip:

For advanced configuration, the web UI password is 'admin'.

The Vodafone Mobile Wi-Fi R212 creates a personal portable Wi-Fi zone which allows several Wi-Fi enabled devices (for example PCs, Laptops, Android devices including the Samsung® Galaxy Tab, Apple® iPhone and iPad or mobile gaming devices such as Nintendo® DSi) to share a secure mobile internet connection.

The device is battery, mains or USB powered, and this flexibility allows the device to be positioned for best mobile coverage and then share this coverage between several devices via Wi-Fi.

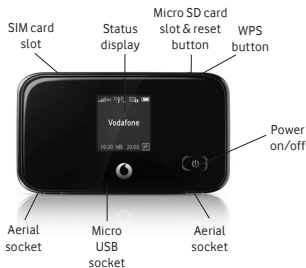
Advanced configuration using a cable or Wi-Fi

To perform advanced configuration of the device browse to the web UI <http://VodafoneMobile.wifi> or <http://192.168.0.1> from a computer running Microsoft® Windows® 8, Windows® 8 RT (Wi-Fi access only), Windows® 7 (SP1 recommended), Windows Vista™ (SP2 recommended), or Windows® XP (SP3 recommended), a computer running Linux (Wi-Fi configuration only, not cable), or an Apple Mac running Mac OS® X 10.5 (Intel®), 10.6, 10.7 or 10.8 (all with latest updates).

Advanced configuration for smartphone / tablet users

Apple device users should use the Safari browser to browse to the web UI <http://VodafoneMobile.wifi> or <http://192.168.0.1>, or download the Vodafone Mobile Wi-Fi Monitor app. Smartphone and tablet users can check the device status by downloading the Vodafone Mobile Wi-Fi Monitor app from the App Store in iTunes or the Android Market / Google Play. See Page 16 for sample app screenshots.

Device overview



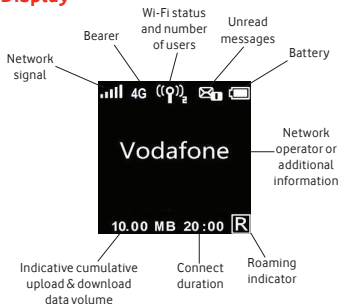
Tip:

To save power the display is switched off after 10 seconds.

The screen can be displayed by briefly touching the power on/off button.

The screen will also be displayed whenever the status of the device changes.

Status Display



End User Licence Agreement (EULA)

Please ensure that you have read and accepted the software EULA for your country before using the Vodafone Mobile Wi-Fi application or device. The EULA is available here:
www.support.vodafone.com/VodafoneMobileWi-Fi/R212

Getting started: Step 1 of 2

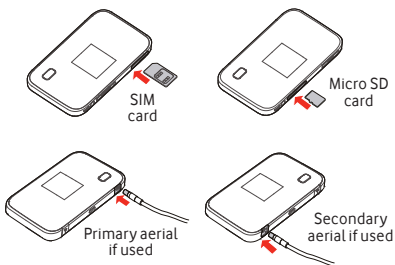
Note: Once setup is complete, when connected to the R212 via USB (and you have installed the software onto your PC) you can access the configuration screen by clicking on the Mobile Wi-Fi desktop icon .

Alternatively, if you are connected over Wi-Fi, you can enter the following addresses into your browser:

<http://VodafoneMobile.wifi> or <http://192.168.0.1>

You may want to save these addresses as favourites in your browser so you can access the Mobile Wi-Fi web UI application screen easily.

1. To prepare the Vodafone Mobile Wi-Fi R212, you need to insert your SIM (and MicroSDHC card if you are using one for file storage and sharing) before use. Using aerials may improve mobile network signal reception.



2. The device has a built-in battery, and is now ready to use - plug it into the mains or your PC. The battery will be charged in the background. Make sure the device is fully charged (approximately 3 hours on mains) before using it in battery mode. Please only use the supplied charger with this device.
3. Switch on the device by pressing and holding the power button for 3 seconds. The device will go through its start-up sequence, and will automatically connect to the network unless a PIN code is required. Check the display for connection status.

Getting started: Step 2 of 2

Tip:

A double tap of the power key will show the current Wi-Fi network name and Wi-Fi network key on the device display.

The Vodafone Mobile Wi-Fi R212 will automatically connect to the Mobile Broadband network when it is powered on.

If required, this default automatic network connection can be changed to a manual connection via the web UI of the device.

4. The Wi-Fi network name (SSID) and secure Wi-Fi network key are engraved on the back of the device (see diagram below for location). Use the normal Wi-Fi application on your computer or device to connect. Select the Mobile Wi-Fi network from the list of available Wi-Fi networks, click Connect and enter the WPA2 password (secure Wi-Fi network key). If your connecting device has WPS functionality, you can press and hold the WPS button on the R212 for 5 seconds, then any WPS-enabled device can connect without requiring the network key.


Congratulations – you now have internet access via Vodafone Mobile Wi-Fi.

Network name and key



WPS button



5. When you are connected to the Vodafone Mobile Wi-Fi R212 via Wi-Fi or a USB cable, you can access the Vodafone Mobile Wi-Fi configuration screen by clicking on the Mobile Wi-Fi desktop icon  (if you have installed via USB), or by typing either <http://VodafoneMobile.wifi> or <http://192.168.0.1> into your web browser. You can change settings and check the device and network status from this browser page.

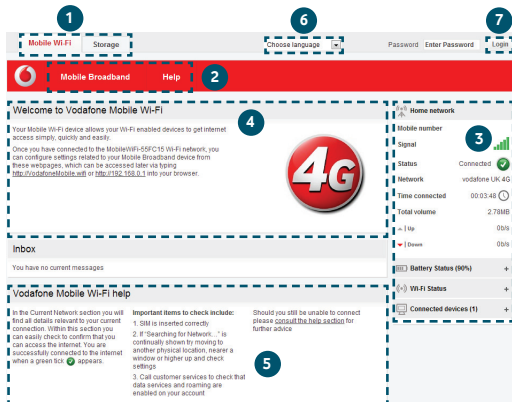
Mobile Wi-Fi web UI application screen

- 1 **Navigation tabs:** Select Mobile Wi-Fi, Storage, SMS or Account view
- 2 **Navigation bar:** Select an area within each view
- 3 **Current network panel:** Status of mobile broadband network connection, battery and Wi-Fi status and connected devices
- 4 **Content area:** Content for current area
- 5 **Context help:** Context-sensitive help for current area
- 6 **Language selection:** Defaults to browser language
- 7 **Login/Logout:** For advanced configuration options. Default password is 'admin'

Note: Every window in the Mobile Wi-Fi web UI application has this same standard layout.

Context-sensitive help for each window is always available at the bottom of the window.

Sometimes an additional Menu bar will appear on the left of the window.



Current network panel

Note: In addition to the Current network panel, there are drop-down panels for Battery status (percentage charge / battery time remaining), Wi-Fi status and Connected devices (devices currently connected to the Vodafone Mobile Wi-Fi R212).

The Current network panel appears on the right-hand side of every screen within the Vodafone Mobile Wi-Fi web UI application, with additional panels for battery, Wi-Fi and connected device status below. 'Roaming network' is shown at the top of the panel when you are roaming on another operator's network, or 'Home network'.

Mobile number – Shown if permitted by your network operator

Signal – More bars indicates better mobile broadband network signal. For best performance position the device so 3 or more bars are displayed with 4G coverage in the Network field










Status – Tick when connected to network; Cross when not connected

Network – Name and bearer of currently connected network

Time connected – For current connection to network

Total volume – Approximate cumulative data usage

Up / Down – Approximate connection speed: 'Up' to the network from your computer, and 'Down' from the network.

<div><div> Home network</div><div>Mobile number</div><div>Signal </div><div>Status Connected </div><div>Network vodafone UK 4G</div><div>Time connected 00:11:05 </div><div>Total volume 3.06MB</div><div><div>▲ Up 0b/s</div><div>▼ Down 0b/s</div></div></div>	<div><div> Roaming network </div><div>Mobile number</div><div>Signal </div><div>Status Connected </div><div>Network vodafone UK 4G</div><div>Time connected 00:11:05 </div><div>Total volume 3.06MB</div><div><div>▲ Up 0b/s</div><div>▼ Down 0b/s</div></div></div>
<div>Battery Status (90%) +</div>	<div>Battery Status (90%) +</div>
<div>Wi-Fi Status +</div>	<div>Wi-Fi Status +</div>
<div>Connected devices (1) +</div>	<div>Connected devices (1) +</div>

Mobile Wi-Fi view

IMPORTANT

We recommend that you ensure that the Wi-Fi security settings meet your personal requirements.

To change the admin password, enter 'admin' into the Password box and click Login. Select **Router** on the Navigation bar, then **Router Settings** from the left hand Menu bar.

To modify the SSID and secure network key, select **Wi-Fi** on the Navigation bar, then **Security** from the left hand Menu bar.

The Mobile Wi-Fi view has four options on the Navigation bar covering device configuration: Mobile Broadband, Wi-Fi, Router, and Help.

For an explanation on using these features either read the context-sensitive help on the relevant page, or consult the Advanced Configuration Guide, available here: www.support.vodafone.com/VodafoneMobileWiFi/R212

Storage view

Storage allows you to use the Mobile Wi-Fi R212 to upload and download files to the device, using it as a centralised storage hub for sharing files with other users or devices using the device.


The Storage view has three options on the Navigation bar covering storage settings: File Storage, Sharing, and Help.

For an explanation on using these features either read the context-sensitive help on the relevant page, or consult the Advanced Configuration Guide, available here: www.support.vodafone.com/VodafoneMobileWiFi/R212

Mobile Wi-FiStorageSMSAccount

Choose language

Logout




File Storage

Sharing

Help

File Storage

All Cards



Micro SD
358.03MB of
7.39GB

File Storage Help

Inserting a Micro SD Card into your device enables you to use your device to store important files, including documents, music, photos and movies.

Once the files are stored you can then access them over Wi-Fi via any of your connecting devices. The default setting is that you must be logged in to upload new files or delete existing files or folders.

Micro SD cards up to 32GB are supported

Mobile Broadband

Status

SIM PIN Management

Mobile Broadband Connection

Mobile Broadband Network

Wi-Fi

Wi-Fi Settings

MAC Settings

Security Settings

Router

Router settings

DHCP Settings

NAT Settings

DMZ Settings

Advanced

Storage

Sharing Settings

SMS

Intro

Write SMS

Sent

Drafts

Settings

Account

Account details

Account type

Help

Help

Diagnostics

Device Controls

About

Support

Online support

Home network

Mobile number

Signal

Status

Connected

Network

vodafone UK 4G

Time connected

00:07:54

Total volume

2.83MB

Up

0b/s

Down

0b/s

Battery Status (90%)

Wi-Fi Status

Connected devices (1)

8

SMS view

Note: When you select the checkbox in the title bar of the Inbox, Sent folder or Draft folder, all messages in that folder are selected. This is useful if you want to delete multiple messages. It is not possible to forward multiple messages.

In the Settings area you can select or de-select the SMS preview in the Mobile Wi-Fi view.

The SMS view has six options on the Navigation bar covering all messaging functions: Inbox, Write, Sent, Draft, Settings and Help.

By default the Vodafone Mobile Wi-Fi device will re-direct your browsing session to the Mobile Wi-Fi web UI application screen when new SMS messages are received. This setting can be changed via the message preview option within the SMS Settings area.

Mobile Wi-Fi Storage **SMS** Account Logout Choose language

Inbox Write Sent Draft Settings Help

Inbox (1)

<input type="checkbox"/>	Date	From	Messages
<input type="checkbox"/>	Wednesday, August 15, 2012 16:19:00	+441	please call me when you have a minute

Forward Delete

SMS help

Your Inbox shows all your received messages. If you want to reply to a message click on the message subject.

You can also forward single messages and delete multiple messages by selecting one or more messages and pressing the appropriate button.

Please ensure you regularly delete any unwanted messages.

New messages will also show on the home screen by default. If you wish to switch off message preview you can do so by selecting settings above and switching Message Preview to off.

Home network

Mobile number

Signal

Status Connected

Network vodafone UK 4G

Time connected 00:10:19

Total volume 3.06MB

1 Up 1600bs

Down 1600bs

Battery Status (90%) +

Wi-Fi Status +

Connected devices (1) +

Mobile Broadband Status SIM Pin Management Mobile Broadband Connection Mobile Broadband Network

Wi-Fi Settings Wi-Fi Settings MAC Settings Security Settings

Router Router settings DHCP Settings NAT settings DMZ Settings Advanced

Storage Sharing Settings

SMS Inbox Write SMS Sent Drafts Settings

Account Account details Account type

Help Help Diagnostics Device Controls About Support Online support

Account view

The Account view has three options on the Navigation bar: Account details, Account type and Help.

Your account type should be determined automatically by the Vodafone Mobile Wi-Fi device to match the inserted SIM card.

Depending on the network operator, prepaid users may have the option to top-up their account and check their prepaid balance via this view.

Note: The options that are displayed on the Navigation bar are dependent on the account type selected.

The screenshot displays the Vodafone Account view interface. At the top, there is a navigation bar with tabs for Mobile Wi-Fi, Storage, SMS, and Account (which is highlighted in red). To the right of the tabs are links for 'Choose language' and 'Logout'. Below the navigation bar is a red header with three options: 'Account details' (selected), 'Account type', and 'Help'. The main content area is divided into two columns. The left column, titled 'Account details', contains a link to 'Account details' and a 'Register' button. Below this is a large empty space. The right column, titled 'Home network', displays various network status indicators: 'Mobile number', 'Signal' (with a green bar icon), 'Status' (Connected with a green checkmark), 'Network' (vodafone UK 4G), 'Time connected' (00:11:05), 'Total volume' (3.06MB), and 'Up/Down' speeds (0b/s). Below these are expandable sections for 'Battery Status (90%)', 'Wi-Fi Status', and 'Connected devices (1)'. At the bottom of the screen, there is a footer with a grid of links categorized under Mobile Broadband, Wi-Fi, Router, Storage, SMS, Account, and Help.

Mobile Broadband	Wi-Fi	Router	Storage	SMS	Account	Help
Status	Wi-Fi Settings	Router settings	Sharing Settings	Inbox	Account details	Help
SIM PIN Management	Wi-Fi Settings	Router settings		Write SMS	Account type	Diagnostics
Mobile Broadband	Mobile Settings	NAT settings		Sent		Device Controls
Connection	Security Settings	DMZ Settings		Drafts		Support
Mobile Broadband		Advanced		Settings		Online support
Network						

Device status screen icons

Note: A double tap of the power key will show the current Wi-Fi network name and Wi-Fi network key on the device display.

The device contains a reset button inside the battery compartment. The reset button will set the device back to the initial factory default settings.

This includes the reset of the security settings back to their original settings, which is useful should the secure Wi-Fi network key be forgotten.

The device status screen is constantly updated with the current status of the device and network connection. If the screen is not displayed while the Vodafone Mobile Wi-Fi R212 is powered on (the display is switched off after 10 seconds to save power), briefly touch the power on/off button and the screen will be displayed.

Sample icons and their meanings:

Network signal:



connecting to network



excellent signal (not connected)



excellent signal (connected)



unable to connect

Wi-Fi status and number of users:



3 users connected

Unread messages:



2 unread SMS

Battery:



fully charged



discharged

Hints and tips

The Linux licence information can be found here:
www.support.vodafone.com/VodafoneMobileWi-Fi/R212


Note: Please only use the correct charger for your region – the charger supplied in the box with the Wi-Fi device. For details about a specific charger, contact your network operator.

The application won't install on Windows

If the software does not install, or the install progress bar keeps looping

- From the Windows Start menu, select Settings>Control Panel>System>Hardware>Device Manager
- Expand 'Universal Serial Bus Controllers'
- Right-click 'USB Mass Storage Device' and select 'Uninstall'
- If your devices are not reloaded, select 'Scan for Hardware changes' from the 'Action' menu.

Cannot open Mobile Wi-Fi web UI application window

The following things may prevent you from opening the Vodafone Mobile Wi-Fi web UI application window by double-clicking the desktop icon  (if you have installed via a USB connection) or entering the address <http://VodafoneMobile.wifi> or <http://192.168.0.1> into your web browser:

- Your computer already has a connection via an ethernet LAN cable
- Your computer already has a connection via a different Wi-Fi network. You must be connected to the R212 via Wi-Fi or via USB cable to access the application window
- You may be using a VPN (Virtual Private Network).

Unplugging the LAN cable, exiting your VPN, and checking that you are connected to the Vodafone Mobile Wi-Fi SSID / network may solve the problem.

Hints and tips

Note: If you can see the application window in your browser, you can find more hints and tips in the Help area.

Selecting the Help option on the Navigation bar in any view, and then 'Diagnostics' in the Menu bar, may help you to identify a problem. This area also shows information that may be required if you need to contact Support at your mobile network operator.

Select 'Support' from the Menu bar for more information and local support contact details.

No network can be found

- Change your physical location: in a building, move closer to a window, move higher up, or go outside
- Ensure the device is registered to the mobile broadband network by checking the R212 device display or by opening the Mobile Wi-Fi web UI application window and checking the device is connected (indicated via the green tick)
- Select the Settings heading on the Navigation bar
- If the device is searching for a network then ensuring the device is set to 3G Preferred in the network settings section may help
- If you are roaming then click 'Search' to search for available networks
- See if you can connect to one of the networks listed
- Click 'Save' to save your change
- Contact Support, and check that data services and roaming are enabled on your account.

No connection can be opened (1)

- Type <http://VodafoneMobile.wifi> or <http://192.168.0.1> into your browser, and check the device status (Mobile Wi-Fi>Mobile Broadband tab, Help on Settings bar, and select Diagnostics from the menu)
- This may indicate the source of the problem. You should see a green tick in the networks panel to indicate that the device is connected to the mobile broadband network.

Hints and tips

Note: If you want to re-install the software from the Mobile Wi-Fi device, you need to first delete the Vodafone Mobile Wi-Fi Service software from your computer.

- From the Windows Start menu, select Settings>Control Panel>Add or Remove Programs (XP) or Programs and Features (Windows 7)
- Remove the Vodafone Mobile Wi-Fi Service
- Re-attach your Mobile Wi-Fi device to your computer using the USB cable and the software will re-install.

No connection can be opened (2)

- Wait a few minutes and try to connect again. This is most often a temporary problem. If the problem persists, please try the steps below
- Close the application window and then re-open it
- Re-start your Vodafone Mobile Wi-Fi device and connecting devices
- Open the Mobile Wi-Fi web UI application window
- Select the Account tab
- Select the Account type heading in the Navigation bar
- Check that the type of account you have with your mobile network operator is selected in the drop-down menu
- Check the device is set to automatically connect to the network. In roaming, the device is setup to not automatically connect to the network. The device should prompt you to connect to the network via the application window.
- Select the Settings heading on the Navigation bar
- Select the Network entry in the Menu bar on the left
- Check which option is selected. If the option is set to a 'Preferred' option, set it to an 'Only' option
- Click 'Save' to save your change
- If you are using a VPN (Virtual Private Network), contact the administrator of your VPN.

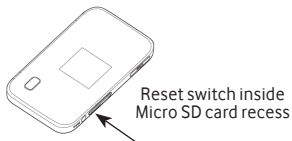
Hints and tips

Cannot connect using the WPS button

- Make sure WPS is enabled by holding down the WPS button for 5 seconds on your R212 and then connecting within 2 minutes
- If required make sure you activate the WPS feature on your connecting device
- WPS will not work with Wired Equivalent Privacy (WEP). If you have even just one device on the R212 network that only supports WEP, you can't use WPS. The default (WPA2) allows interworking with WPS.
- Refer to the user guide of the device you are connecting to the R212 to make sure it supports WPS.
- Make sure you haven't switched off WPS via the web UI.

Resetting the device back to factory values

- Locate the reset button
- While the device is switched on, insert the end of a paper clip into the reset button hole, press the button with the clip and hold down until the Vodafone logo appears on the device screen (approximately 5 seconds), and release the button
- The device will now be reset to factory settings, including SSID, passwords and Wi-Fi security settings.

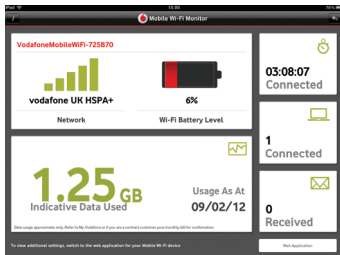


Hints and tips

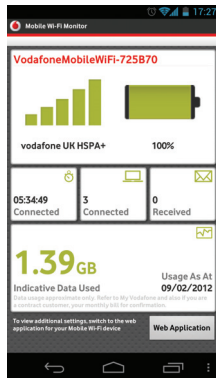
Using the Vodafone Mobile Wi-Fi Monitor app on iPhone, iPad, iPod Touch, smartphone, tablet

- Download the Vodafone Mobile Wi-Fi Monitor app from the App Store in iTunes or the Android Market / Google Play
- Click on the app icon 
- Sample monitor screens show below.

Tablet / iPad



iPhone / smartphone



Glossary

Bearer	Communication method used for data transport over the mobile network, eg. 3G Broadband, HSPA, 3G, etc.
EDGE	An enhancement to the GPRS bearer offering higher speeds, although not as fast as 3G Broadband.
GPRS	The General Packet Radio Service is a bearer offering higher data speeds than GSM, on which it is based.
Home network	The network of the mobile operator who provided your SIM.
HSPA	High-Speed Packet Access bearer, enhancing 3G, including both HSUPA (Uplink) and HSDPA (Downlink).
HSPA+	Enhanced HSPA network offering faster speeds.
HSUPA	High-Speed Uplink Packet Access bearer.
3G	The third-generation mobile phone service, as UMTS (Universal Mobile Telecommunications System) is also known, is a bearer providing higher data speeds.
3G broadband	The latest enhancement to the 3G bearer.
4G/LTE	The fourth-generation mobile phone service providing faster data speeds (where available).
Roaming	You can use your mobile device on any other mobile network that has a roaming agreement with your operator, whether in your country or abroad.
SIM	Your Subscriber Identity Module is the postage-stamp-sized chip that you will have received together with your mobile contract. Your SIM has gold contacts on one side.
WPA2	An alternative name for the Wi-Fi network key. For Mac users the term 'WPA2 personal' is used.

The term Mobile Broadband together with the 'birds' design is a trademark of GSMC Limited.



Mobile
Broadband

C € 0700 !

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Product Code:
R212 User Guide 03/13_en_GB

